## **Recovery Plan Action Status**

Plan Name: Recovery Plan for Southern Resident Killer Whales (Orcinus orca)

Plan Status: Final Plan Date: 24-Jan-08 Lead Agency: NMFS

Lead Office:

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Killer whale (Orcinus orca)	2	1.1.1.1	Habitat management (Support salmon restoration 1.1.1)	Not Started			Canada Department of Fisheries and Oceans, Local Governments, National Marine Fisheries Service, States of the United States, Nongovernmental Organizations, Tribes	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	1.1.1.2	Harvest management (Support salmon restoration 1.1.1)	Not Started			Canada Department of Fisheries and Oceans, Local Governments, National Marine Fisheries Service, States of the United States, Nongovernmental Organizations, Tribes	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	1.1.1.3	Hatchery management (Support salmon restoration 1.1.1)	Not Started			Canada Department of Fisheries and Oceans, Local Governments, National Marine Fisheries Service, States of the United States, Nongovernmental Organizations, Tribes	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	3	1.1.2	Support regional restoration efforts for other prey species	Not Started			Canada Department of Fisheries and Oceans, Local Governments, National Marine Fisheries Service, States of the United States, Nongovernmental Organizations, Tribes	Work type not yet selected	Labor type not yet selected	

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Killer whale (Orcinus orca)	2	1.1.3	Use NMFSý authorities under the ESA and the MSFCMA to protect prey habitat, regulate harvest, and operate salmon hatcheries	Not Started			National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	1.2.1.1	Identify and prioritize specific sites in need of cleanup (Clean up contaminated sites and sediments 1.2.1)	Complete	FY 2000 - FY 2004	FY 2006	Washington Department of Natural Resources, Canada Department of Fisheries and Oceans, U.S. Environmental Protection Agency, National Marine Fisheries Service, Concurrent Technologies Corporation, Environment Canada, Washington State Department of Ecology	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	1	1.2.1.2	Remediate sites in need of cleanup (Clean up contaminated sites and sediments 1.2.1)	Not Started			Washington Department of Natural Resources, U.S. Environmental Protection Agency, Potentially responsible/ liable parties, Superfund sites	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	3	1.2.2.1	Minimize the levels of harmful contaminants discharged by industrial, municipal, and other point sources of pollution	Not Started			Canada Department of Fisheries and Oceans, U.S. Environmental Protection Agency, Local Governments, Oregon Department of Environmental Quality, Washington State Department of Ecology	Work type not yet selected	Labor type not yet selected	

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Killer whale (Orcinus orca)	2	1.2.2.2	Minimize the levels of harmful contaminants released by non- point sources of pollution	Not Started			Canada Department of Fisheries and Oceans, U.S. Environmental Protection Agency, Local Governments, Oregon Department of Environmental Quality, Washington State Department of Ecology	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	3	1.2.2.3	Reduce impacts to Southern Resident killer whales from emerging contaminants	Not Started			U.S. Environmental Protection Agency, Local Governments, Environment Canada, Washington State Department of Ecology	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	3	1.2.3	Minimize contamination in prey	Not Started			Oregon Department of Fish and Wildlife, Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, U.S. Fish and Wildlife Service, National Marine Fisheries Service , Tribes	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	1.3.1.1	Expand efforts to monitor commercial and recreational whale-watching vessels	Ongoing Current	FY 2000 - FY 2004		National Marine Fisheries Service , Soundwatch Boater Education Program , Marine Mammal Monitoring Project	Work type not yet selected	Labor type not yet selected	Ongoing, see also B.6.2.2
Killer whale (Orcinus orca)	3	1.3.1.2	Evaluate the relative importance of shipping, ferry, fishing, research, military, and other vessel traffic to disturbance of killer whales	Ongoing Current	FY 2006		Concurrent Technologies Corporation	Work type not yet selected	Contract	Initial report completed with FY06 funds; See also 1.3.3.

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Killer whale (Orcinus orca)	2	1.3.2	Continue to evaluate and improve voluntary whale-watching guidelines	Ongoing Current	FY 2005		Canada Department of Fisheries and Oceans, National Marine Fisheries Service , Nongovernmental Organizations, Soundwatch Boater Education Program , Whale Watch Operators Association Northwest , Marine Mammal Monitoring Project		Labor type not yet selected	Update guidelines and produce print materials.
Killer whale (Orcinus orca)	2	1.3.3	Evaluate the need to establish regulations regarding vessel activity in the vicinity of killer whales	Ongoing Current	FY 2008		Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service, United States Coast Guard , Tribes, Industry Associations		Labor type not yet selected	Coordinated with 1.3.4
Killer whale (Orcinus orca)	2	1.3.4	Evaluate the need to establish areas with restrictions on vessel traffic or closures to vessel traffic	Ongoing Current	FY 2007		Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service , United States Coast Guard , Tribes, Industry Associations		Labor type not yet selected	Coordinated with 1.3.3
Killer whale (Orcinus orca)	1	2.1.1	Prevent oil spills	Ongoing Current			United States Coast Guard , Environment Canada , Washington State Department of Ecology , Industry Associations	Work type not yet selected	Labor type not yet selected	Many ongoing oil spill programs that are not funded by NMFS incl.: Rescue Tug (1.44 mil./yr) & ITOS (100K/yr)

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Killer whale (Orcinus orca)	1	2.1.2	Prepare for and respond to oil spills to minimize their effects on Southern Resident killer whales	Not Started			Washington Department of Fish and Wildlife, National Marine Fisheries Service , United States Coast Guard , Washington State Department of Ecology , Northwest Area Contingency Plan, Industry Associations	Work type not yet selected	Labor type not yet selected	1-year task to develop Contingency Plan & training in alternate years, FY is TBD
Killer whale (Orcinus orca)	2	2.1.3	Develop strategies to deter killer whales from entering spilled oil	Complete	FY 2007	FY 2007	Washington Department of Fish and Wildlife, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	2.3	Continue to use agency coordination and established MMPA mechanisms to minimize any potential impacts from human activities involving acoustic sources, including Navy tactical sonar, seismic exploration, in-water construction, and other sources	Ongoing Current			National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Ongoing actions include section 7 consultations; staff costs are not included.
Killer whale (Orcinus orca)	3	2.4.1	Prevent the introduction and spread of invasive species	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, Washington Department of Agriculture, U.S. Fish and Wildlife Service, National Marine Fisheries Service , United States Coast Guard , Oregon Department of Environmental Quality , Industry Associations	Work type not yet selected	Labor type not yet selected	Washington State has ongoing invasives prevention program (2.5 mil/yr)

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Killer whale (Orcinus orca)	3	2.4.2	Eradicate existing populations of invasive species	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, Washington Department of Agriculture, U.S. Fish and Wildlife Service, National Marine Fisheries Service , Oregon Department of Environmental Quality , Industry Associations	Work type not yet selected	Labor type not yet selected	Washington State has ongoing invasives eradication program (3.5 mil/yr)
Killer whale (Orcinus orca)	3	3.1.1	Exhibits at local museums, aquaria, parks, and other locations (Enhance public awareness of Southern Resident status and threats 3.1)	Ongoing Current	FY 2000 - FY 2004		Washington State Parks, National Marine Fisheries Service , Tribes, Seattle Aquarium, Vancouver Aquarium, The Whale Museum	Work type not yet selected	Labor type not yet selected	FY03- FY07 costs were for creation of new orca exhibit and materials for SA
Killer whale (Orcinus orca)	3	3.1.2	School programs (Enhance public awareness of Southern Resident status and threats 3.1)	Ongoing Current	FY 2005		Nongovernmental Organizations, Tribes	Work type not yet selected	Labor type not yet selected	FY05-FY07 costs for Killer Whale Tales, FY07 costs also for Springer Story
Killer whale (Orcinus orca)	3	3.1.3	Naturalist programs (Enhance public awareness of Southern Resident status and threats 3.1)	Ongoing Current	FY 2008		Nongovernmental Organizations, The Whale Museum	Work type not yet selected	Labor type not yet selected	Support training in alternate years
Killer whale (Orcinus orca)	3	3.1.4	Research programs (Enhance public awareness of Southern Resident status and threats 3.1)	Not Started			Canada Department of Fisheries and Oceans, NMFS Northwest Fisheries Science Center, Center for Whale Research, Other researchers	Work type not yet selected	Labor type not yet selected	Periodic research conferences, costs included under B.11

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Killer whale (Orcinus orca)	2	3.2.1	Expand the on- water educational efforts of Soundwatch, M3, and enforcement agencies	Ongoing Current	FY 2000 - FY 2004		Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service, Soundwatch Boater Education Program , Marine Mammal Monitoring Project	Work type not yet selected	Labor type not yet selected	NMFS costs are included here, additional costs are in 1.3.1.1
Killer whale (Orcinus orca)	3	3.2.2	Outreach to private boaters	Ongoing Not Current	FY 2007		Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service , United States Coast Guard , Soundwatch Boater Education Program , Marine Mammal Monitoring Project		Labor type not yet selected	Costs are also included under 1.3.1.1
Killer whale (Orcinus orca)	3	3.2.3	Encourage land- based viewing of killer whales	Ongoing Current	FY 2006		Washington State Parks, Nongovernmental Organizations, Orca Relief, Lifeforce, The Whale Museum	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	3.3	Educate public on positive actions they can take to improve the current condition for Southern Resident killer whales	Ongoing Current	FY 2008		National Marine Fisheries Service , Nongovernmental Organizations	Work type not yet selected	Labor type not yet selected	Some costs included under 3.1
Killer whale (Orcinus orca)	3	3.4.1	Solicit reports of killer whale sightings	Ongoing Current	FY 2005		National Marine Fisheries Service , Center for Whale Research , OrcaNetwork, British Columbia Sighting Network, The Whale Museum	Work type not yet selected	Labor type not yet selected	Costs included under B1.1

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Killer whale (Orcinus orca)	3	3.4.2	Solicit reports of killer whale strandings from the public	Ongoing Current	FY 2000 - FY 2004		National Marine Fisheries Service , Center for Whale Research , OrcaNetwork, British Columbia Sighting Network, Northwest Marine Mammal Stranding Network	Work type not yet selected	Labor type not yet selected	Education and outreach for NWMMSN program
Killer whale (Orcinus orca)	3	4.1	Manage atypical individual Southern Residents	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Dependent on severity of situation, costs could range 100K- 500K based on past atypical cases
Killer whale (Orcinus orca)	3	4.2.1	Develop protocols for responding to stranded killer whales	Complete	FY 2000 - FY 2004	FY 2000 - FY 2004	Canada Department of Fisheries and Oceans, National Marine Fisheries Service , Northwest Marine Mammal Stranding Network, Vancouver Aquarium	Work type not yet selected	Labor type not yet selected	Action completed. Gaydos, J. K. and S. Raverty. 2007. Killer Whale Stranding Response, August 2007 Final Report. Report under UC Davis Agreement No. C 05-00581 V, August 2007. 30pages.
Killer whale (Orcinus orca)	2	4.2.2	Respond to live- stranded killer whales	Not Started			Canada Department of Fisheries and Oceans, National Marine Fisheries Service , Northwest Marine Mammal Stranding Network, Vancouver Aquarium	Work type not yet selected	Labor type not yet selected	See Task 4
Killer whale (Orcinus orca)	3	4.2.3	Investigate strandings of dead killer whales	Ongoing Current	FY 2000 - FY 2004		Canada Department of Fisheries and Oceans, National Marine Fisheries Service , Northwest Marine Mammal Stranding Network, Vancouver Aquarium	Work type not yet selected	Labor type not yet selected	Cost for response to stranded killer whales in along the West Coast.
Killer whale (Orcinus orca)	3	4.3	Respond to future resource conflicts between the Southern Residents and humans	Not Started			National Marine Fisheries Service , Others as identified	Work type not yet selected	Labor type not yet selected	As identified in the future

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Killer whale (Orcinus orca)	3	5.1	Cooperative research and monitoring	Ongoing Current	FY 2000 - FY 2004		Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service, Researchers	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	3	5.1.1	Population monitoring (Cooperative research and monitoring 5.1)	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service, Center for Whale Research	Work type not yet selected	Labor type not yet selected	Costs included under A.1
Killer whale (Orcinus orca)	3	5.1.2	Stranding response coordination (Cooperative research and monitoring 5.1)	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	Costs estimated as < 1K per stranding event, see 4
Killer whale (Orcinus orca)	3	5.2.1	Plans are subject to periodic review (Complimentary conservation and recovery planning 5.2)	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	1 year task to update plan
Killer whale (Orcinus orca)	3	5.2.2	Encourage public participation (Complimentary conservation and recovery planning 5.2)	Ongoing Current	FY 2000 - FY 2004		Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	3	5.3	Inter-jurisdictional enforcement cooperation and coordination	Ongoing Current	FY 2000 - FY 2004		Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, National Marine Fisheries Service	Work type not yet selected	Labor type not yet selected	

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Killer whale (Orcinus orca)	2	A.1	Continue the annual population census	Not Started			Center for Whale Research	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	A.2	Maintain a current photo-identification catalog for Southern Residents and staff able to photographically identify whales	Not Started			Center for Whale Research	Work type not yet selected	Labor type not yet selected	Costs included under A.1
Killer whale (Orcinus orca)	3	A.3	Standardize the results of annual population surveys	Not Started			Canada Department of Fisheries and Oceans, National Marine Fisheries Service, Center for Whale Research	Work type not yet selected	Labor type not yet selected	1 year task FY to be determined
Killer whale (Orcinus orca)	1	B.1.1	Determine distribution and movements in outer coastal waters	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, Researchers, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	1	B.1.2	Improve knowledge of distribution and movements in the Georgia Basin and Puget Sound	Not Started			University of Washington, NMFS Northwest Fisheries Science Center , NMFS Southwest Fisheries Science Center , The Whale Museum		Labor type not yet selected	
Killer whale (Orcinus orca)	1	B.1.3	Determine the effects of prey abundance and availability, and other factors on whale distribution and movements	Not Started			University of Washington, Researchers, NMFS Northwest Fisheries Science Center, The Whale Museum	Work type not yet selected	Labor type not yet selected	Costs included under B.2.1
Killer whale (Orcinus orca)	3	B.10	Improve research techniques and technology	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, Researchers, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	

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Killer whale (Orcinus orca)	2	B.11	Research support and coordination	Not Started			NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	1	B.2.1	Determine the diet of the Southern Residents	Not Started				Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	1	B.2.2	Determine the importance of specific prey populations to the diet	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.2.1
Killer whale (Orcinus orca)	3	B.2.3	Determine the extent of feeding on hatchery fish	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.2.1
Killer whale (Orcinus orca)	1	B.3.1	Determine causes of mortality	Not Started				Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	B.3.2	Evaluate survival patterns	Not Started				Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	B.3.3	Evaluate reproductive patterns	Not Started				Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	B.3.4	Evaluate population structure	Not Started				Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	B.3.5	Evaluate changes in social structure	Not Started				Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	B.4.1	Assess the health of population members	Not Started				Work type not yet selected	Labor type not yet selected	Future costs TBD
Killer whale (Orcinus orca)	2	B.4.2	Assess individual growth rates	Not Started				Work type not yet selected	Labor type not yet selected	TBD
Killer whale (Orcinus orca)	1	B.4.3	Determine metabolic rates and energy requirements	Not Started			NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	3	B.5	Investigate the behavior of the Southern Residents	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, Researchers, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	Some costs included under B.6.2.1
Killer whale (Orcinus orca)	1	B.6.1	Assess the effects of changes in prey populations	Not Started			University of Washington, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	

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Killer whale (Orcinus orca)	1	B.6.1.1	Determine historical changes in prey distribution and abundance, and their effects on Southern Resident population dynamics	Not Started				Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	1	B.6.1.2	Assess changes in prey quality and their effects on Southern Resident population dynamics	Not Started			University of Washington, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	1	B.6.1.3	Determine whether the Southern Residents are limited by critical periods of scarce food resources	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.6.1.1 and B.6.1.2
Killer whale (Orcinus orca)	2	B.6.1.4	Assess threats to prey populations of the Southern Residents	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.6.1.1 and B.6.1.2
Killer whale (Orcinus orca)	1	B.6.2.1	Determine vessel characteristics that affect the Southern Residents	Not Started			Canada Department of Fisheries and Oceans, University of Washington, Researchers, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	1	B.6.2.2	Determine the extent that vessels disturb or harm the Southern Residents	Not Started			Canada Department of Fisheries and Oceans, University of Washington, Researchers, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	Costs included under B.6.2.1
Killer whale (Orcinus orca)	2	B.6.2.3	Determine the extent that other acoustic sources disturb or harm the Southern Residents	Not Started			Canada Department of Fisheries and Oceans, University of Washington, Researchers, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	Costs included under B.6.2.4

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Killer whale (Orcinus orca)	2	B.6.2.4	Determine the acoustic environment of the Southern Residents	Not Started			Canada Department of Fisheries and Oceans, University of Washington, Researchers, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	B.6.2.5	Determine the hearing capabilities and vocalization behavior of the Southern Residents near sound sources	Not Started				Work type not yet selected	Labor type not yet selected	Some costs included under B.6.2.4
Killer whale (Orcinus orca)	3	B.6.2.6	Assess the effects of human- generated marine sound on Southern Resident prey	Not Started				Work type not yet selected	Labor type not yet selected	TBD
Killer whale (Orcinus orca)	1	B.6.3.1	Determine contaminant levels in the Southern Residents and other killer whale communities in the northeastern Pacific	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	1	B.6.3.2	Determine contaminant levels in Southern Resident prey	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	Costs for FY07- FY11 included under B.6.3.1
Killer whale (Orcinus orca)	1	B.6.3.3	Determine the sources of contaminants entering Southern Resident prey	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.6.3.1
Killer whale (Orcinus orca)	1	B.6.3.4	Determine the effects of elevated contaminant levels on survival, physiology, and reproduction in the Southern Residents	Not Started				Work type not yet selected	Labor type not yet selected	
Killer whale (Orcinus orca)	2	B.6.4	Determine risks from other human- related activities	Not Started				Work type not yet selected	Labor type not yet selected	As identified

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Killer whale (Orcinus orca)	3	B.6.5	Evaluate the potential for disease	Not Started				Work type not yet selected	Labor type not yet selected	No costs identified at this time
Killer whale (Orcinus orca)	1	B.7	Identify important habitats for the Southern Residents	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, Researchers, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	Costs included under B.1.1- B.1.3
Killer whale (Orcinus orca)	1	B.8	Determine the effects of variable oceanographic conditions on the Southern Residents and their prey	Not Started			Washington Department of Fish and Wildlife, Canada Department of Fisheries and Oceans, Researchers, NMFS Northwest Fisheries Science Center	Work type not yet selected	Labor type not yet selected	Costs included under B.1.1- B.1.3
Killer whale (Orcinus orca)	2	B.9.1	Determine paternity patterns in the Southern Residents	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.9
Killer whale (Orcinus orca)	1	B.9.2	Determine the risk of inbreeding	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.9
Killer whale (Orcinus orca)	2	B.9.3	Determine historical population size	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.9
Killer whale (Orcinus orca)	2	B.9.4	Determine genetic relationships among populations	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.9
Killer whale (Orcinus orca)	2	B.9.5	Expand the number of genetic samples available for study	Not Started				Work type not yet selected	Labor type not yet selected	Costs included under B.9